

ABSTRACT OF THE DISCLOSURE

An optical input device capable of determining properties of a reflective plane is disclosed. The optical input device applies a light device to project an incident light to the reflective plane. In accordance with the law of reflection, the incident light projected on the reflective plane produces reflecting light, diffusing light and transmitting light, respectively. The optical input device includes a first photosensor, a second photosensor and a microprocessor. The first photosensor receives a part of diffusing light to accordingly compute a total diffusing light. The second photosensor senses reflecting light. The microprocessor computes energy of the transmitting light in accordance with the law of energy conservation and accordingly determines if transmitting light consisting of light beams passes through the reflective plane. If yes, the reflective plane is determined to be formed of a transparent material, otherwise, it is determined to be formed of an opaque material.